# SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. of Health & Human Services
Division of Environmental Health, 11 SHS
(207) 287-5672 FAX (207) 287-4172

## PROPERTY LOCATION

| | |
|---|---|
| City, Town, or Plantation | LAMOINE |
| Street or Road | RACCOON COVE ROAD |
| Subdivision, Lot # | |

## >> CAUTION: LPI APPROVAL REQUIRED <<

Town/City LAMOINE Permit # 1816

Date Permit Issued 10/25/16 Fee $ 250 Double Fee Charged ( )

Local Plumbing Inspector Signature L.P.I. # 1090

☐ Owner ☐ Town ☒ State

## OWNER/APPLICANT INFORMATION

Name (last, first, MI): DYER, DONALD ☒ Owner ☐ Applicant

Mailing Address of ☒ Owner ☐ Applicant: 60 ADDIE ROAD, ELLSWORTH, ME. 04605

Daytime Tel. #: (207) 667-5763

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 5 Lot # 2-2

**OWNER OR APPLICANT STATEMENT**

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.

Signature of Owner or Applicant 10-24-16 Date

**CAUTION: INSPECTION REQUIRED**

I have inspected the installation authorized above and found it to be in compliance with Subsurface Wastewater Disposal Rules Application. _____ (1st Date Approved)

Local Plumbing Inspector Signature _____ (2nd Date Approved)

## PERMIT INFORMATION

**TYPE OF APPLICATION**
- ☒ 1. First Time System
- ☐ 2. Replacement System

Type Replaced: _____

Year Installed: _____
- ☐ 3. Expanded System
  - ☐ a. Minor Expansion
  - ☐ b. Major Expansion
- ☐ 4. Experimental System
- ☐ 5. Seasonal Conversion

**SIZE OF PROPERTY**

_____ ☐ sq. ft.
3 1/2 ☒ acres

**SHORELAND ZONING**

☐ Yes ☒ No

**THIS APPLICATION REQUIRES**
- ☒ 1. No Rule Variance
- ☐ 2. First Time System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 3. Replacement System Variance
  - ☐ a. Local Plumbing Inspector Approval
  - ☐ b. State & Local Plumbing Inspector Approval
- ☐ 4. Minimum Lot Size Variance
- ☐ 5. Seasonal Conversion Permit

**DISPOSAL SYSTEM TO SERVE**
- ☒ 1. Single Family Dwelling Unit, No. of Bedrooms: 3
- ☐ 2. Multiple Family Dwelling , No. of Units: _____
- ☐ 3. Other: (SPECIFY) _____

Current Use: ☐ Seasonal ☐ Year Round ☒ Undeveloped

**DISPOSAL SYSTEM COMPONENT(S)**
- ☒ 1. Complete Non-engineered System
- ☐ 2. Primitive System (graywater & alt. toilet)
- ☐ 3. Alternative Toilet, specify: _____
- ☐ 4. Non-engineered Treatment Tank (only)
- ☐ 5. Holding Tank, _____ gallons
- ☐ 6. Non-engineered Disposal Field (only)
- ☐ 7. Separated Laundry System
- ☐ 8. Complete Engineered System(2000 gpd or more)
- ☐ 9. Engineered Treatment Tank (only)
- ☐ 10. Engineered Disposal Field (only)
- ☐ 11. Pre-treatment, specify: _____
- ☐ 12. Miscellaneous components

**TYPE OF WATER SUPPLY**

TO BE
- ☒ 1. Drilled Well ☐ 2. Dug Well ☐ 3. Private
- ☐ 4. Public ☐ 5. Other: _____

## DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

**TREATMENT TANK**
- ☒ 1. Concrete
  - ☒ a. Regular
  - ☐ b. Low Profile
- ☐ 2. Plastic
- ☐ 3. Other: _____

CAPACITY 1000 gallons

**SOIL DATA & DESIGN CLASS**

PROFILE CONDITION
3 / C

at Observation Hole # 2

Depth 20 "

OF MOST LIMITING SOIL FACTOR

**DISPOSAL FIELD TYPE & SIZE**
- ☐ 1. Stone Bed ☐ 2. Stone Trench
- ☒ 3. Proprietary Device 10 END FEED CONCRETE CHAMBERS
  - ☐ a. Cluster Array ☒ c. Linear
  - ☒ b. Regular load ☐ d. H-20 load
- ☐ 4. Other: _____

SIZE 900 ☒ sq. ft. ☐ lin. ft.

**DISPOSAL FIELD SIZING**
- ☐ 1. Medium – 2.6 sq. ft./gpd
- ☒ 2. Medium-Large -- 3.3 sq. ft./gpd
- ☐ 3. Large – 4.1 sq. ft./gpd
- ☐ 4. Extra Large – 5.0 sq. ft./gpd

**GARBAGE DISPOSAL UNIT**

☒ 1. No ☐ 2. Yes ☐ 3. Maybe

If Yes or Maybe, specify one below:
- ☐ a. Multi-compartment Tank
- ☐ b. _____ Tanks in Series
- ☐ c. Increase in Tank Capacity
- ☐ d. Filter on Tank Outlet

**EFFLUENT/EJECTOR PUMP**
- ☒ 1. Not Required
- ☐ 2. May be Required
- ☐ 3. Required

Specify only for engineered systems

DOSE: _____ gallons

**DESIGN FLOW**

270 gallons per day

BASED ON
- ☒ 1. Table 4A (dwelling unit(s)
- ☐ 2. Table 4C (other facilities)

SHOW CALCULATIONS for other facilities

☐ 3. Section 4G (meter readings)
ATTACH WATER METER DATA

**LATITUDE AND LONGITUDE at Center of Disposal Area**

Lat. 44° d 28' m 32.5" s N

Lon. 68° d 16' m 47.7" s W

If g.p.s., state margin of error 30'+

## SITE EVALUATOR STATEMENT

I certify that on 9-26-16 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

| Site Evaluator Signature | SE# | Date |
|---|---|---|
| | 319 | 10-1-16 |
| **Site Evaluator Name Printed** | **Telephone Number** | **E-mail Address** |
| WILLIAM A. LaBELLE, JR. | (207) 537 - 5900 | labelleseptic@rivah.net |

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

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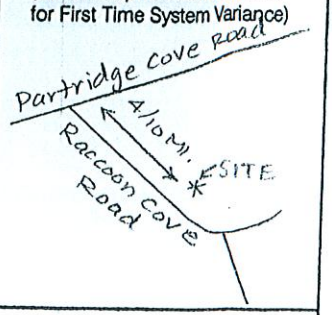
| LAMOINE | RACCOON COVE ROAD | DONALD DYER |

SITE PLAN — Scale 1" = 60 Ft.

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)




( SEE ATTACHED SITE PLAN )

## SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above or on pg. 2A)

Observation Hole #1 ■ Test Pit ☐ Boring

1/2 " Depth of organic horizon above mineral soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

| Texture | Consistency | Color | Mottling |
|---|---|---|---|
| SANDY GRAVELLY LOAM TO LOAMY GRAVELLY SAND | FRIABLE | DARK BROWN (10YR 3/3) DARK YEL. BROWN (10YR 3/6) YELLOWISH BROWN (10YR 6/6) | N.E. POSSIBLE |

| Soil Profile | Classification Condition | Slope | Limiting Factor | Depth | Ground Water | Restrictive Layer | Bedrock | Pit Depth |
|---|---|---|---|---|---|---|---|---|
| 3 | C | 6 % | 24 " | | ■ | ☐ | ☐ | ☐ |

Observation Hole #2 ■ Test Pit ☐ Boring

1 " Depth of organic horizon above mineral soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

| Texture | Consistency | Color | Mottling |
|---|---|---|---|
| SANDY GRAVELLY LOAM TO LOAMY GRAVELLY SAND | FRIABLE FIRM | VERY DARK GRAYISH BROWN (10YR 3/2) DARK YELLOWISH BROWN (10YR 3/4) | N.E. POSSIBLE |

| Soil Profile | Classification Condition | Slope | Limiting Factor | Depth | Ground Water | Restrictive Layer | Bedrock | Pit Depth |
|---|---|---|---|---|---|---|---|---|
| 3 | C | 6 % | 20 " | | ■ | ☐ | ☐ | ☐ |

Site Evaluator's Signature

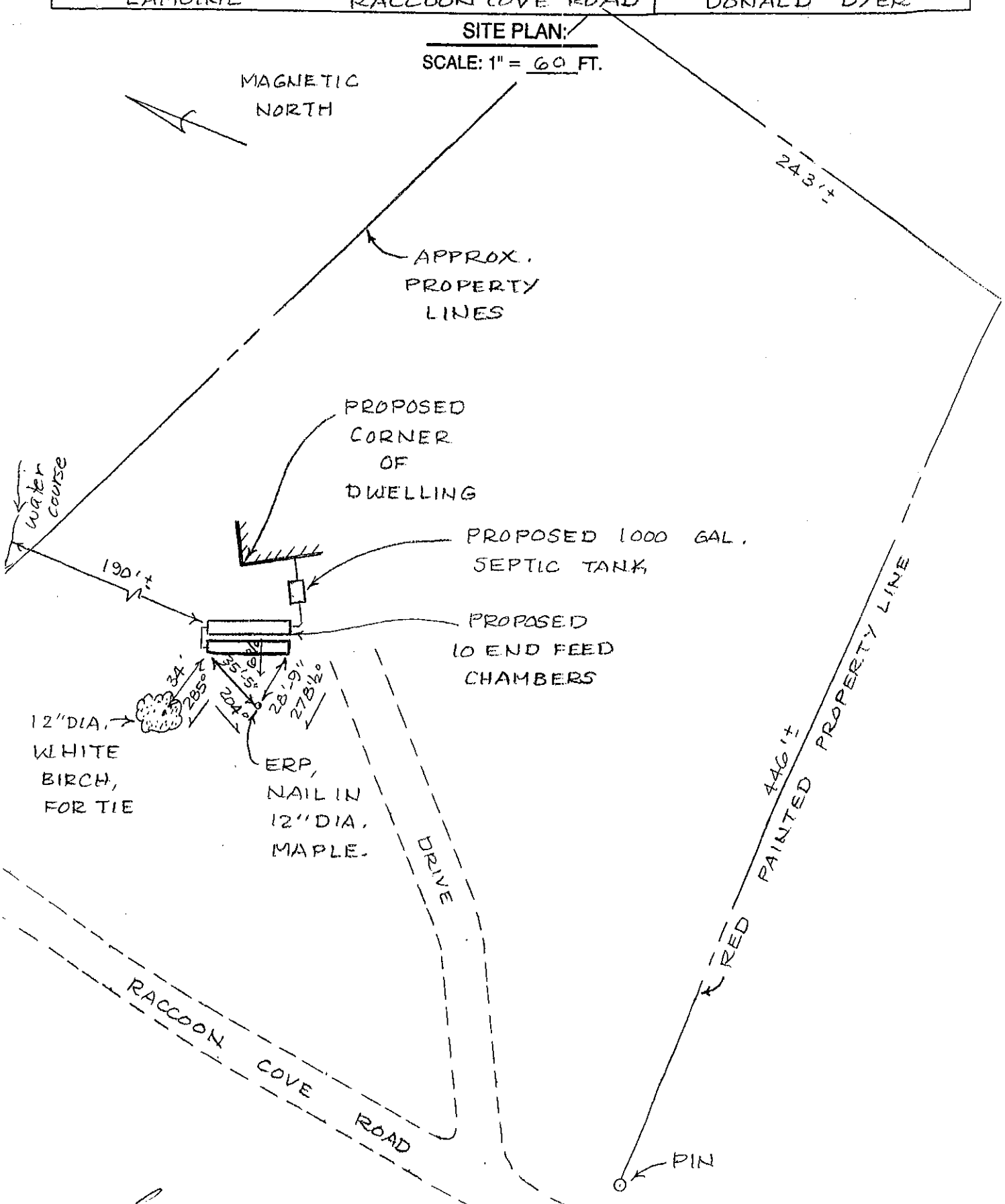
319
S. E. #

10-1-16
Date

| Town, City, Plantation | Street, Road, Subdivision | Owner or Applicant Name |
|---|---|---|
| LAMOINE | RACCOON COVE ROAD | DONALD DYER |

## SITE PLAN:

SCALE: 1" = 60 FT.




| Site Evaluator's Signature | S.E. # | Date |
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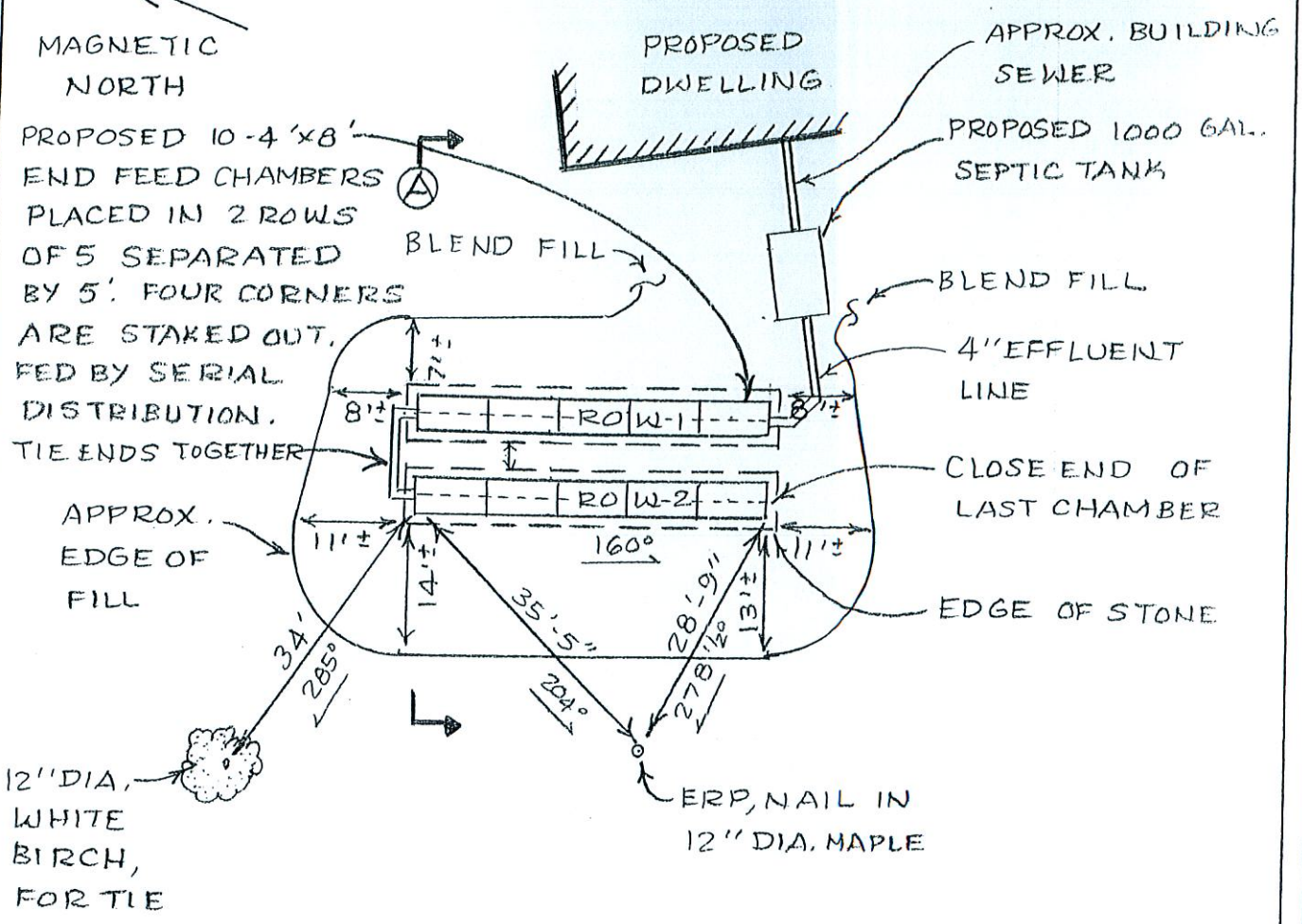
## SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.




| FILL REQUIREMENTS | | CONSTRUCTION ELEVATIONS | SYSTEM: | PRIVY: | ELEVATION REFERENCE POINT |
|---|---|---|---|---|---|
| Depth of Backfill (Upslope) | 16" | Finished Grade Elevation | (See | | Location & Description NAIL 7" |
| Depth of Backfill (Downslope) | 23"-25" | Top of Distribution Pipe or Proprietary Device | attached N/A | | ABOVE GROUND IN 12" DIA. |
| Depths @ cross-section shown below or on X-sec. detail. | | Bottom of Disposal Field | X-Sec.) | | MAPLE. Reference Elevation is: 0" |

## DISPOSAL AREA CROSS SECTION ( SEE ATTACHED CROSS SECTION )

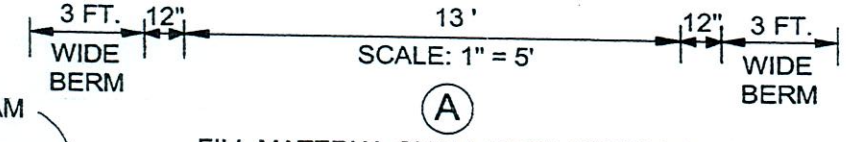
NOTES:

1. Tank(s) must be 8' minimum from building.
2. Grade surrounding area to divert surface water away from system.
3. Well to be 51' minimum from septic tank(s) and 100' minimum from disposal field.
4. All work done adjacent to wetlands and water bodies must be done in compliance with section 12 of the Subsurface Wastewater Disposal Rules. Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "Maine Erosion and Sediment Control BMPS" (DEPW0588).
5. Install septic tank(s) risers 18" in diameter "minimum" to within 6" of finished grade on inlet, cleanout and outlet covers (recommend extending risers to finish grade).
6. Full basement below grade foundation, frost wall or columns must be 20' minimum from stone around chambers and slab on grade must be 15' minimum from stone around chambers.

| Site Evaluator's Signature | S.E. # | Date |
|---|---|---|
| | 319 | 10-1-16 |

NOTE: GRADE UPSLOPE TO DIVERT SURFACE WATER AWAY FROM SYSTEM.

# DISPOSAL AREA CROSS SECTION
## SLOPE 6 %

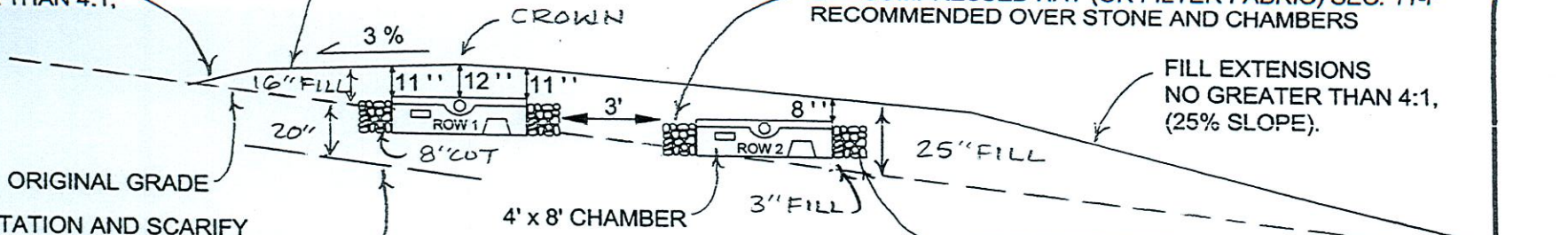



(A)

TOP 4" OF FILL TO BE A GOOD LOAM SOIL MIX TO ESTABLISH A GOOD VEGETATIVE COVER; SEED AND AND MULCH TO PREVENT EROSION, SEC.11-G.

FILL MATERIAL SHALL BE 8"-12" THICK OVER CHAMBERS AND SHALL BE GRAVELLY COARSE SAND TO THE STANDARDS IN SEC. 11-E IN THE SUBSURFACE RULES.

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).




2 '' COMPRESSED HAY (OR FILTER FABRIC) SEC. 11-F RECOMMENDED OVER STONE AND CHAMBERS

FILL EXTENSIONS NO GREATER THAN 4:1, (25% SLOPE).

ORIGINAL GRADE

REMOVE VEGETATION AND SCARIFY ORIGINAL SOIL UNDER ENTIRE FILL AREA, SEC. 11-B.

LIMITING FACTOR

4' x 8' CHAMBER

BOTTOM OF CHAMBERS MUST BE LEVEL WITH MAXIMUM GRADE TOLERANCE OF 2" PER 100'.

12" CLEAN STONE, (3/4" - 2 1/2" DIA.), UNIFORM SIZE.

THOROUGHLY MIX, DISK OR ROTO-TILL CLEAN, COARSE, SHARP SAND INTO TOP 4 INCHES OF ORIGINAL SOIL TO CREATE A TRANSITION ZONE, SEC. 11-B.

**ELEVATIONS:**

| | | ROW 1 | ROW 2 |
|---|---|---|---|
| ELEV. REF. PT. (ERP): | 0" | | |
| FINISHED GRADE: | (CROWN) | -29" | (-39" MIN.) |
| TOP OF CHAMBERS: | | -41" | -47" |
| BOTTOM OF CHAMBERS: | | -54" | -60" |

NOTE:

SYSTEM MUST BE INSTALLED ACCORDING TO THE RULES AND PRACTICES SET FORTH IN THE MOST CURRENT VERSION OF THE STATE OF MAINE SUBSURFACE WASTEWATER DISPOSAL RULES. INSTALLATION CONTRATOR MUST BE FAMILIAR WITH SAID RULES AND CONSTRUCT SYSTEM IN FULL COMPLIANCE WITH SECTION 11 OF SAID RULES.

OWNER: DONALD DYER

LOCATION: LAMOINE

WILLIAM A. LaBELLE, JR.

319
S.E.#

10-1-16
DATE